

We claim:

1. A sealed electrical assembly, comprising:
  - a) a housing having an opening at an end;
  - b) an electrical device positioned in said housing, said electrical device including a lead that extends out of said open-end; -
  - c) a cover positioned within said opening, said cover including a plate portion and a tab portion spaced apart from said plate portion, said tab portion extends into a cutout in said housing that is located between said plate portion and said housing end to position said cover with respect to said housing; and
  - d) a sealant disposed around a perimeter of said plate portion to provide a seal between said cover and said housing, a portion of said sealant being disposed in a space between said cutout and said plate portion.
2. The assembly of claim 1 wherein said housing is made from a transparent material.
3. The assembly of claim 1 wherein said electrical device is an hour meter.
4. The assembly of claim 1 wherein said housing is a single molded piece that includes a front wall and four side walls.
5. The assembly of claim 1 wherein said sealant provides a seal around said lead.
6. The assembly of claim 1 further comprising an opaque faceplate welded to said housing.

7. The assembly of claim 1 further comprising an opaque faceplate molded onto a front wall of said housing.

8. The assembly of claim 1 further comprising an opaque faceplate that snaps onto said housing.

9. A sealed visible meter assembly, comprising:

a) a transparent housing having a front wall, four side walls and an opening at an end;

b) a meter circuit including a display positioned in said housing, said metering circuit including a pair of leads that extend out of said open end;

c) a cover positioned within said opening, said cover including a plate portion, a wing portion extending away from a surface of said plate portion, and a rectangular tab portion that extends from said wing portion, said tab portion extends into cutouts in said housing that is located between said plate portion and said housing end to position said cover with respect to said housing; and

d) a sealant disposed around a perimeter of said plate portion to provide a seal between said cover and said housing and around said leads to provide a seal around said leads, a portion of said sealant being disposed in a space between said tab portion and said plate portion.

10. The assembly of claim 9 wherein said meter circuit is an hour meter circuit.

11. The assembly of claim 9 further comprising an opaque faceplate welded to said housing.

12. The assembly of claim 9 further comprising an opaque faceplate molded onto a front wall of said housing.

13. The assembly of claim 1 further comprising an opaque faceplate that snaps onto said front wall.

14. The assembly of claim 9 further comprising latching projections extending from said housing that facilitate mounting of said meter assembly to a panel from a rear of said panel.

15. A method of sealing an electrical assembly, comprising:

- a) positioning an electrical device in a housing having an open end such that a lead of said electrical device extends out of said open end;
- b) positioning a cover including a plate portion and a tab portion spaced apart from said plate portion in said housing;
- c) inserting said tab portion into a cutout in said housing that is located between said plate portion and said housing end; and
- d) applying a sealant around a perimeter of said plate portion to provide a seal between said cover and said housing, a portion of said sealant being applied in a space between said tab portion and said plate portion.

16. The method of claim 15 further comprising applying sealant around said lead to provide a seal around said lead.

17. The method of claim 15 further comprising welding an opaque faceplate welded to said housing.

18. A method of sealing a visible meter assembly, comprising:

- a) positioning a meter circuit including a display in a transparent housing having a front wall, four side walls and an opening at an end, said metering circuit including a pair of leads that extend out of said open end;
- b) positioning a cover in said opening such that said pair of leads extend

through said cover;

c) inserting a pair of rectangular tab portions into a pair of rectangular cutouts in side walls of said housing to position said cover with respect to said housing;

d) applying a sealant around a perimeter of said cover to provide a seal between said cover and said housing, a portion of said sealant being applied in a space between said tab portion and said plate portion of said cover; and

e) applying said sealant around said leads to provide a seal around said leads.

19. The method of claim 18 further comprising welding an opaque faceplate to said housing.

20. A sealed visible meter assembly, comprising:

a) a transparent housing having a front wall, and an opening at an end;

b) a meter circuit including a display positioned in said housing, said metering circuit including a pair of leads that extend out of said open end;

c) a cover positioned within said opening, said cover including a plate portion, leg portions extending away from a surface of said plate portion, a shroud portion extending from said leg portions, a wing portion that extends from said shroud portion and a rectangular tab portion that extends from said wing portion, said tab portion extends into cutouts in said housing that is located between said plate portion and said housing end to position said cover with respect to said housing; and

d) a sealant disposed around a perimeter of said plate portion to provide a seal between said cover and said housing and around said leads to provide a seal around said leads, a first portion of said sealant being disposed in a space between said tab portion and said plate portion, a second portion of said sealant being disposed in an area between said shroud portion and said plate portion around said pair of leads.

21. A cover for an electrical assembly, comprising:

a) a plate portion;

b) a pair of wing portions each including a first portion extending away from a surface of said plate portion and a second portion extending toward an edge of said plate portion; and

c) a pair of rectangular tab portions that extend from said wing portions.

22. A cover for an electrical assembly, comprising:

a) a plate portion;

b) leg portions extending away from a surface of said plate portion;

c) a shroud portion extending from said leg portions;

d) a pair of wing portions that extend from said shroud portion; and

e) a pair of rectangular tab portions that extend from said wing portions.